

Fig. 1

(Background Art)

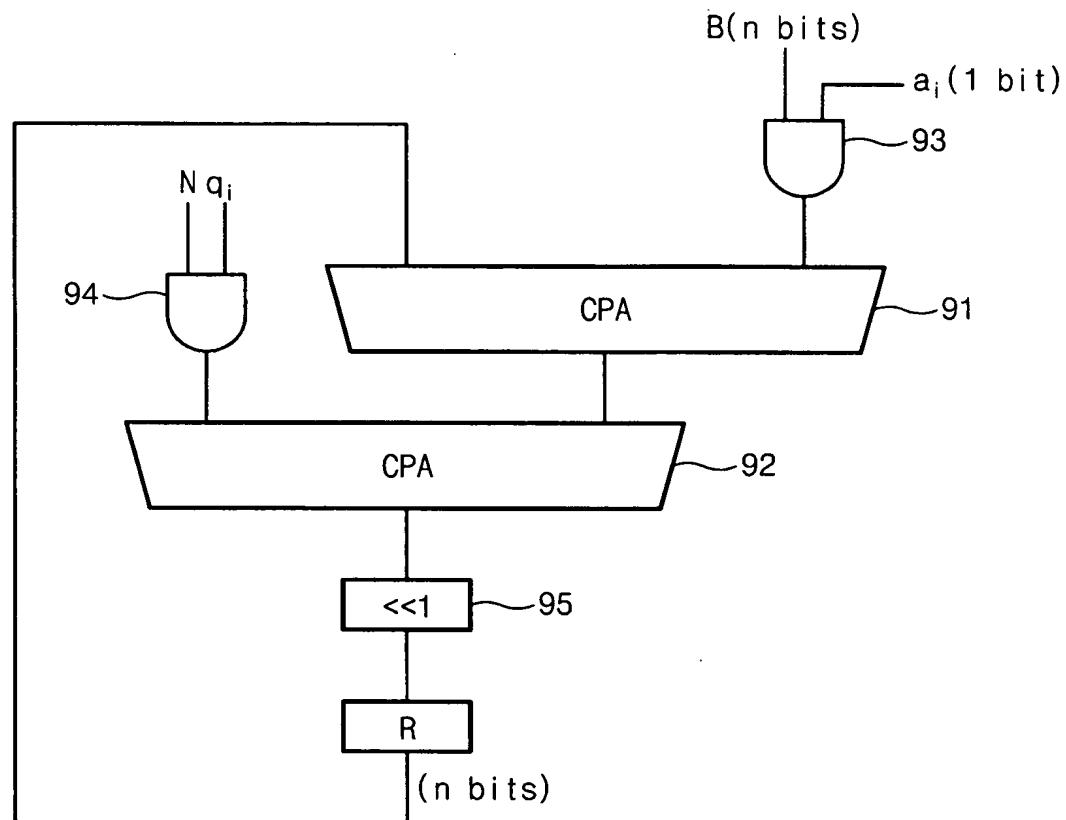


Fig. 2

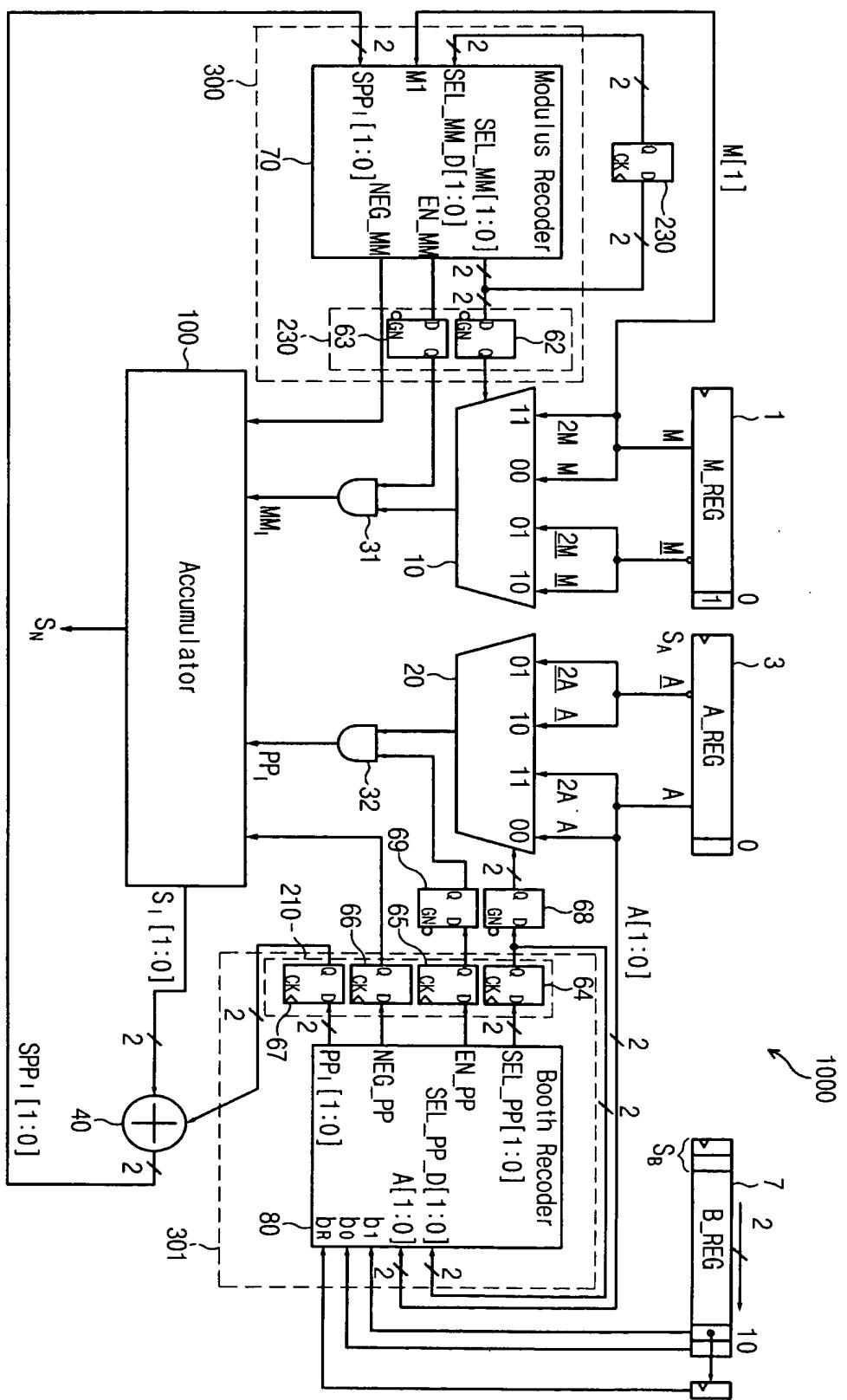


Fig. 3

Inputs of MR(220)			Outputs of MR(70)			
M[1]	SPP _i [1:0]	SPP _i [0]	Selected MM _i	SEL_MM[1:0]	EN_MM	NEG_MM
0	0	0	0	SEL_MM[D[1:0]	0	0
0	0	1	-M	10	1	1
0	1	0	2M	11	1	0
0	1	1	M	00	1	0
1	0	0	0	SEL_MM[D[1:0]	0	0
1	0	1	M	00	1	0
1	1	0	2M	11	1	0
1	1	-M		10	1	1

Fig. 4

Inputs of BR(80)			Outputs of BR(80)				
b_1	b_0	b_R	Selected				
			PP _I	SEL_PP[1:0]	EN_PP	NEG_PP	PP _I [1],PP _I [0]
0	0	0	0	0	0	0	0,0
0	0	1	A	00	1	0	A[1],A[0]
0	1	0	A	00	1	0	A[1],A[0]
0	1	1	2A	11	1	0	A[0],0
1	0	0	-2A	01	1	1	A[0],0
1	0	1	-A	10	1	1	A[1]^A[0],A[0]
1	1	0	-A	10	1	1	A[1]^A[0],A[0]
1	1	1	0	SEL_PP_D[1:0]	0	0	0,0

Fig. 5

